**POSITION STATEMENT**

Position Title: Postdoctoral Fellow (*Colorado State University, Department of Fish, Wildlife, & Conservation Biology*)

Location: Fort Collins, Colorado

Salary: $45,000-52,000, commensurate with experience

Start date: Negotiable

Description: Full-time, two-year initial term with possible extension depending on performance and project funding. The position is funded entirely from federal sources under a National Park Service Cooperative Agreement.

**DUTIES**

The successful candidate will work in collaboration with Colorado State University (CSU) and National Park Service (NPS) scientists. The CSU scientists (PI’s: Dr. George Wittemyer, Dr. Lisa Angeloni, Dr. Kevin Crooks and Dr. Ken Wilson) are part of a collaborative research team investigating noise impacts on wildlife. The NPS partners (PI: Dr. Kurt Fristrup) are part of the Natural Sounds and Night Skies Division (NSNSD), within the Natural Resource Stewardship and Science Directorate (NRSS) located in Fort Collins, Colorado. The direction of this research position will be crafted to take advantage of the applicant’s expertise, the capabilities of the CSU and NPS science team and existing NPS datasets. Possible research directions include:

1. Performing a meta-analysis of existing NSNSD datasets to understand continental scale effects of noise on wildlife, including forecasting future conditions
2. Investigating patterns in bioacoustic activity (e.g. phenological, geospatial) within and across national parks, involving the development and evaluation of methodology (e.g. acoustic indices or detectors)
3. Performing a comprehensive analysis of acoustic conditions in national parks which includes both impacts to wildlife and visitors
4. Designing novel interpretation or visualization tools to understand acoustic conditions in national parks in preparation for the NPS centennial (2016)

**REQUIREMENTS**

1. Ph.D. degree in a pertinent biological, physical or computer science.
2. Demonstrated publication record.
3. Demonstrated competency in statistical modeling and processing of large data sets.
4. Demonstrated proficiency with computer coding in scientific languages (e.g. Matlab, R) or programming languages (e.g. Python).
5. Demonstrated abilities in geospatial analysis.
6. Demonstrated experience working in collaborative research settings.

**DESIRED ATTRIBUTES**

* 1. Experience or education in acoustics.
  2. Field experience in physical or biological sciences.
  3. Experience using and maintaining scientific instruments or electronics in a field setting.
  4. Experience with web interface.
  5. Reflecting departmental and institutional values, candidates are expected to have the ability to advance the Department's commitment to diversity and inclusion.

**APPLICATION PROCEDURE**: Applicants should create a single document (Word or pdf) that includes a letter of interest, CV/resume, unofficial transcripts, and a list of three references and their contact information. The name of the file should contain the first and last name of the applicant. The letter of interest should include a statement on an applicant's areas of interest regarding acoustic-based ecological research including the applicant's perception of the most important research questions in this discipline, the connections between the these areas of research and your prior work, and an account of your skills in statistics, modeling, signal processing, and other pertinent quantitative methods.

For full consideration submit application by July 7, 2014. Upload application to:

<http://warnercnr.colostate.edu/employment-opportunities.html>

For inquiries, please contact Dr. George Wittemyer ([G.Wittemyer@ColoState.edu](mailto:G.Wittemyer@ColoState.edu)) via e-mail with “Acoustic Postdoc” in the subject line.

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Colorado State University is committed to providing a safe and productive learning and living community. To achieve that goal, we conduct background investigations for all final candidates being considered for employment. Background checks may include, but are not limited to, criminal history, national sex offender search and motor vehicle history.